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►► Making life more comfortable



Mapo Products Brochure 2009



Contents

About Us	03
R410A DC Inverter Series	07
Wall mounted Type (HC series)	13
Wall mounted Type (G series)	17
Wall mounted Type (F series)	19
Wall mounted Type (XC series)	21
Wall mounted Type (XF series)	23
Technical Data	24
Multi Split Series	27
Cabinet Type	31
Duct Type	37
Ceiling/Floor Type	39
Cassette Type	41
Portable Type	43
Technical Data	45
Chilled Water Unit	47

Mapo, becoming a famous brand in China, is located in the east of Huang'Pu River in Shanghai. Mapo air conditioner creates cool in summer, and warm in the winter. Using first-class producing and testing equipments, and a large system for developing, manufacturing and sales, Mapo air conditioner has a wide range of products, including split wall mounted type, cabinet type, cassette type, ceiling/floor type and small central domestic air-conditioner. We supply both fix-frequency and no-grade inverter, from mechanical temperature control to computer fuzzy logic, from general cooling and heating and anti-bacterium healthy filtered type. At the same time, we have developed water chiller unit including water cooled/air cooled and heat pump hot water unit. There are about 100 different feature and functions in various products to meet the customers needs all over the world. With the annual output capacity of 50,000 PCS, Mapo air conditioners have been sold to 28 provinces in the home market and nearly 50 countries and regions abroad.

As a national new-and high-tech enterprise, Mapo air conditioner invests at least 5% of the gross sales annually, and it gives strong support to the development of the new products. Until now, it has developed more than 60 items of new products, 70% of which are high-tech products. Mapo energy-saving multi-split SDV series was listed in the national important item in 2005; R410A digital D/C inverter split type and SDV-280RW intelligent multi central air conditioner are recognized as Zhejiang High-tech products and Zhejiang important High-tech products.

Mapo air conditioner was recognized by the national quality and technical inspection quarantine bureau and once again won the certificate for the products exemption from quality surveillance in 2005. Mapo air conditioners have passed ISO9001 international quality management system, German TUV and CE certificate, and UL certificate. Also, our test laboratory is recognized by UL bureau and can supply test report recognized by UL for other enterprise. During the spot-test by national quality technical supervision bureau, it has been up to top grade for 7 years, and wins the certificate for products exemption from quality surveillance inspection. At the same time, Mapo air conditioner is one of the 10 qualified air conditioners in China reported by the CCTV and China quality news.



Outdoor units assemble line



Indoor units assemble line



Complete test



First-class manufacture equipments, Perfect quality control

Formidable Investment in Quality and Control

In order to ensure the best quality, Mapo has invested in world first-class production equipment, including American OAK high-speed pressure machine for heat-exchanger; American OAK high efficiency automatic pipe bending machine; advanced expanding tube machine; automatic welding apparatus; hot blast degreasing drying equipment; Japanese Numerical control programmable press; Italy numerical control hydraulic pressure folding machine and so on. Advanced equipment, close control and strict management make sure the good quality of the sheet metal. With the American NUOXIN surface treatment equipment and Dakin's Bonderizing technology and raw material, the surface of the sheet metal has a strong anti-rust ability, and can last for 8 years. At present, Mapo has formed a self-sufficient design and manufacture system for heat exchangers, pipe assembly, valves, motors, accumulators, sheet metal case and other spare parts. More than 90% of the spare parts are manufactured by Mapo. Formidable investment in equipment and people ensures fast development and stable quality of Mapo air conditioners.

Perfect quality guarantee

Mapo ensures strict adherence to the ISO9001 quality system standard. During the whole process, including products designing, spare parts manufacturing and purchasing, assembling, packaging, and performance test, our quality control staff carry out spot-checks, ensuring strict adherence to test procedure and standards. All making sure that the performance of every air conditioner is higher than the national standard.





Technology combined with Perfect Art Design

Cooling Direct air conditioner, combined with refrigeration technology and art, creates air conditioners with reliability and stability allowing harmony with room decoration. We always use the latest surface handicraft to make the systems blend into the environment to give the room a combination of style and natural air conditioned air.

Our air conditioners use world famous compressors from Japan, hydrophilic aluminum foil, super-quality internal threaded copper pipe and other key parts adding over 10 years technology and experience. Our top technical team and complete quality control allows us to manufacture our air conditioners to give the highest performance effect.





R410A DC Inverter Technology

R410A

To develop air conditioners with energy saving and comfort, Mapo uses the lastest technology on global power consumption saving and environmental protection.

High efficient heating

Mapo enviroment protection series use new R410A refrigerant. Compared with traditional R22 refrigerant air conditioners, it has particular advantages:

1. Little heating capacity drop in low outdoor temperature.
2. Higher capacity of ordered heating load.

What is the R410A new refrigerant

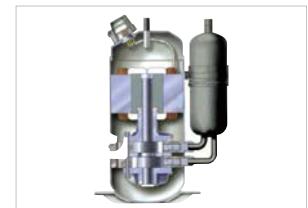
R410A new refrigerant is a mixture of two compounds which have nearly the same boiling point, including hydrogen, fluorin and carbon element (HFC) It is has stable, innocuous and has highly efficient characteristics. Due to not including the chlorin element, it will not have reaction with ozonosphere, and therefore protects the environment. In addition, use of the new refrigerant takes advantage of technical advances in air conditioners performance.

INVERTER

Mapo Digital DC inverter air donditioner, is equipped with a Hi-performance digital DC inverter compressor, digital conversion circuit and permanent-magnetic rotor. Power saving by 35%~55% compared with fixed frequency type.

Toshiba DC inverter compressor

Mapo A/C adopts the original Toshiba DC inverter compressor, The magnetic field can be produced without power turn on. Compared to the common A/C, it can save energy and make the whole system more efficient and reliable while working.



Adpot SPMW sensorless vector inverter control system

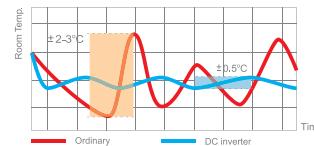
Mapo A/C adopts the world newest control chip. By operating the control system inside the chip, then avoiding the step of software programming control, ensures the performance of a more stable air conditioner.





Precise temperature control with $\pm 0.5^{\circ}\text{C}/32.9^{\circ}\text{F}$ from setting temperature

After reaching the set temperature, the air-conditioner keeps operating at a low speed, adjust the frequency and air volume appropriately thereby keeping the room temperature more comfortable.



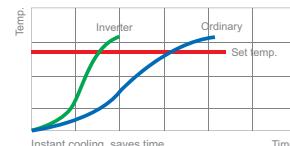
Temperature operation

The unit can work in heating mode under the ambient temperature as low as $-15^{\circ}\text{C}/5^{\circ}\text{F}$. It is suitable for special places such as computer station and power station where cooling function is necessary even during winter.



DC inverter adjusts the temperature twice as fast as standard A/C units.

According to the ambient temperature the unit chooses the best frequency automatically. Mapo DC inverter A/C saves 50% time compared with ordinary a/c units to reach the same temp setting.



R410A DC Inverter Series



KF(Rd)-26GW/BP

- Super luxurious colorful painting
- High seasonal EER up to class A+, Power consumption saving 50%
- R410A eco-friendly refrigerant to protect the environment
- Uses Toshiba DC inverter compressor
- Uses SPMW sensorless vector inverter control system
- Comfortable constant temperature, changes within $\pm 0.5^{\circ}\text{C}$
- Adjust the temp twice as fast as ordinary air conditioner units.
- With fashional LED display
- Comfortable sleeping and quiet operation
- Low ambient heating at -15°C
- Strong dehumidification



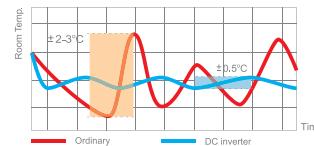
KF(Rd)-34GW/BP

- Super luxurious colorful painting
- High seasonal EER up to class A+, Power consumption saving 50%
- R410A eco-friendly refrigerant protects our environment
- Uses Toshiba DC inverter compressor
- Uses SPMW sensorless vector inverter control system
- Comfortable constant temperature, changes within $\pm 0.5^{\circ}\text{C}$
- Adjust the temp twice as fast as ordinary air conditioner units..
- With fashional LED display
- Comfortable sleeping and quiet operation
- Low ambient heating at -15°C
- Strong dehumidification



Precise temperature control with $\pm 0.5^{\circ}\text{C}/32.9^{\circ}\text{F}$ from setting temperature

After reaching the set temperature, the air-conditioner keeps operating at a low speed, adjust the frequency and air volume apopos. Even more the unit keeps the room temperature comfortable constantly.



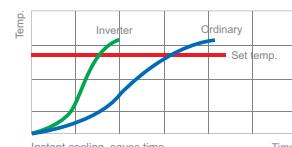
Temperation operation

The unit can work in heating mode under the ambient temperature as low as $-15^{\circ}\text{C}/5^{\circ}\text{F}$. It is suitable for special places such as computer station and power station where cooling function is necessary even during winter.



DC inverter adjusts the temp. twice as fast as A/C units.

According to the ambient temperature the unit chooses the best frequency automatically. Mapo DC inverter A/C saves 50% time compared with ordinary one to reach the same setting temp.



R410A DC Inverter

(HC Series)



> KF(Rd)-34GW/BP

Characteristics

- Fashionable flat design, super luxurious colorful painting.
- Uses Toshiba DC inverter compressor.
- Uses SPMW sensorless vector inverter control system.
- New Zero ODP refrigerant--R410A, much friendlier, much higher efficiency.
- High seasonal EER up to class A+, Power consumption saving 50%.
- Multi-fold heat-exchange.
- Characteristic fashional LED display.
- Keeps a constant temperature whilst sleeping.
- Comfortable constant temperature, the temp change within $\pm 0.5^{\circ}\text{C}$.
- Washable panel for easy cleaning.
- Low ambient heating at -15°C .
- Strong dehumidification to keep the room dry, and avoid the trouble of intermittent drizzle in the rainy season.
- R407C, R22 are available.



R410A DC Inverter

(HC Series)



KF(Rd)-26GW/BP



Characteristics

- Super luxurious colorful painting.
- High EER up to class A+, Power consumption saving 50%.
- R410A eco-friendly refrigerant protecting our environment.
- Uses Toshiba DC inverter compressor.
- Uses SPMW sensorless vector inverter control system.
- Comfortable constant temperature, the temp change within $\pm 0.5^{\circ}\text{C}$.
- Adjust the temp twice as fast as ordinary air conditioner units.
- With fashion LED display.
- Comfortable sleeping and quiet operation.
- Low ambient heating at -15°C .

(G Series)



KF(Rd)-26GW/BP
KF(Rd)-34GW/BP



Characteristics

- Fashion, simple and elegant curve panel.
- High EER up to class A+, Power consumption saving 50%.
- R410A eco-friendly refrigerant protecting our environment.
- Uses Toshiba DC inverter compressor.
- Uses SPMW sensorless vector inverter control system.
- Comfortable constant temperature, the temp change within $\pm 0.5^{\circ}\text{C}$.
- Adjust the temp twice as fast as ordinary air conditioner units.
- Comfortable sleeping and quiet operation.
- Low ambient heating at -15°C .

(HC Series)

KF(Rd)-26GW/BP

	KF(Rd)-26GW/BP	KF(Rd)-34GW/BP
Power supply	220V/50Hz/1Ph	220V/50Hz/1Ph
Capacity	Cooling (Btu) 9000(3100~11000) Heating+Electric heating (Btu) 11600(3400~11600)*3000	12000(3400~12600) 14000(3400~15400)*3000
Input power	Cooling (W) 805(250~1100) Heating+Electric heating (W) 950(250~1320)*800	1020(260~1320) 1180(250~1500)*800
Running current	Cooling (A) 3.8(1.2~5.2) Heating+Electric heating (A) 4.5(1.2~6.3)*3.8	4.8(1.3~6.3) 5.6(1.2~7.1)*3.8
Noise	Indoor (dB(A)) (Lo) 29 Outdoor (dB(A)) 48	30 50
Air circulation	(m ³ /h) 500	500
Suitable area	(m ²) 10~20	18~25
Indoor unit dimension	Net (mm) 790x270x185 Shipping (mm) 875x335x245	795x285x215 905x370x283
Outdoor unit dimension	Net (mm) 760x255x525 Shipping (mm) 890x360x590	760x255x525 890x360x590
Energy class	A+	A+

(G Series)

KF(Rd)-26GW/BP

	KF(Rd)-26GW/BP	KF(Rd)-34GW/BP
Power supply	220V/50Hz/1Ph	220V/50Hz/1Ph
Capacity	Cooling (Btu) 9000(3100~11000) Heating+Electric heating (Btu) 11600(3400~11600)*3000	12000(3400~12600) 14000(3400~15400)*3000
Input power	Cooling (W) 805(250~1100) Heating+Electric heating (W) 950(250~1320)*800	1020(260~1320) 1180(250~1500)*800
Running current	Cooling (A) 3.8(1.2~5.2) Heating+Electric heating (A) 4.5(1.2~6.3)*3.8	4.8(1.3~6.3) 5.6(1.2~7.1)*3.8
Noise	Indoor (dB(A)) (Lo) 29 Outdoor (dB(A)) 48	30 50
Air circulation	(m ³ /h) 500	500
Suitable area	(m ²) 10~20	18~25
Indoor unit dimension	Net (mm) 799x282x195 Shipping (mm) 865x340x265	799x282x195 865x340x265
Outdoor unit dimension	Net (mm) 760x255x525 Shipping (mm) 890x360x590	760x255x525 890x360x590
Energy class	A+	A+

The Test of 1 hose above are stipulated on country's standard pipe's average length: 5m, if exceed please fill up additional refrigerant.

Cooling: Indoor Circulating Temp: 27°C DB, 19°C WB Outdoor Temp: 35°C DB, 24°C WB

Heating: Indoor Circulating Temp: 20°C DB, 10°C WB Outdoor Temp: 7°C DB, 6°C WB

All above data refer to the refrigerant R410A condition, the above specifications are for reference only. Detailed information may be obtained through inquiries to the dealers. The specifications are subject to change without notice. This information has been carefully verified for accuracy and precision. This Co. shall not be liable for consequences caused by the possible errors in printing process.

HC Series



High EER up to class A, Power consumption saving 35%~50%

Mapo KFR-26GW/HC:

Energy efficiency ratio (EER) =**3.57**

Coefficient of performance (COP) =**3.93**

High efficient compressor

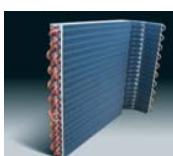
By using Toshiba high efficiency compressor, Mapo air conditioner's performance and EER is highly improved. Meanwhile, the improved design guarantees less noise while operating.

Two-row condenser

Mapo outdoor unit adopts two-row condenser with blue fin and inner grooved copper tube, which can enlarge its heat exchange area and enhance its conditioning performance condenser.



Toshiba high efficiency compressor



Two-row condenser



> KF(Rd)-26GW/HC; KF(Rd)-34GW/HC



R410A

Characteristics

- Fashionable flat design, super luxurious colorful painting.
- New Zero ODP refrigerant—R410A, much friendlier, very high efficiency. R407C, R22 are available.
- High EER up to class A, Power consumption saving 35%~50%.
- Adopting world-famous compressors including Toshiba, Mitsubishi, etc.
- Multi-fold heat-exchange.
- Characteristic fashional LED display.
- Big circulation airflow make the temperature reduce quickly and evenly.
- Keeps a constant temperature while you are asleep.
- 3-layer filter can kill germs and remove dust and smoke particles (option)
- Washable panel for easy cleaning.
- Strong dehumidification to keep the room dry and comfortable



• Light blue



• Black



• Pearl white



HC Series (Energy Class A)



• Black

> KF(Rd)-26GW/HC1; KF(Rd)-34GW/HC1



Characteristics

- Fashionable flat design, super luxurious colorful painting.
- New Zero ODP refrigerant-R410A, much friendlier, much high efficiency.
- High EER up to class A, Power consumption saving 35%~50%.
- Using world-famous compressors including Toshiba, Mitsubishi, etc.
- Multi-fold heat-exchange.
- Characteristic fashion LED display.
- Keeps a constant temperature while you are asleep.
- 3-layer filter can kill the germ and remove the dust smoke (option)
- Washable panel for easy cleaning.
- Strong dehumidification to keep the room dry, and comfortable R407C, R22 are available.



• Pearl white



• Claret-red



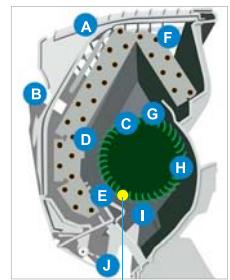
• Light blue

G Series (Energy Class A)

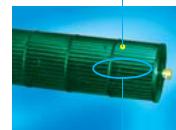


Super quiet

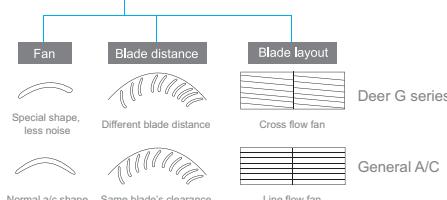
With super quiet design, the lowest noise of Deer G series can be **24dB(A)**



- A. Return air grille with low resistance, mute design.
- B. Panel rectifying return air with mute design.
- C. The shape of fan with mute design.
- D. The best design of heat exchanger clearance.
- E. Quiet design of turbo tip.
- F. The best design of air-in current.
- G. Quiet design of turbo surface.
- H. Quiet design of static pressure outlet resuming.
- I. Mute design of low resistance vertical vanes.
- J. Mute design of low resistance horizontal vanes.



Turbofan with large diameter
Stream line design of the cross flow fans with large diameter, it brings super quiet air blowing and lowers the noise by reducing speed of rotation, while the input air is strong.



> KF(R)-26GW/G; KF(R)-34GW/G



R410A

Characteristics

- Fashion, simple and elegant curve panel.
- Big circulation airflow make the temperature lower fast and equally.
- Keep a constant temperature while you are asleep.
- 3-layer filter can kill the germ and remove the dust and smog inside.(option)
- Washable panel for easy cleaning.
- Strong dehumidification to keep the room dry, and avoid the trouble of intermittent drizzle in the rainy season.
- R407C, R22 are available.



Fresh, air conditioning

3-layer filter

1. Anti-mould air filter: The anti-mould air filter removes large particles such as fine cotton lint.
2. Active carbon filter: Active carbon filter traps tiny particles as small as 0.01 micron, such as bacteria and smoke particles.
3. Photocatalyst filter: The filter is made from special material can ionize the H₂O to anion, which can enrich the O₂ and make the air in your room fresher and healthier.



3-layer filter

Remove smell when

Deodorisation design creates fresh and clean smelling air immediately from switching on.

Detachable & washable panel

In the past, panel can't be disassembled for cleaning, and it is difficult to clean away the dirt inside panel. The new designed front panel can be disassembled, and very convenient to clean it as bright as new.

F Series

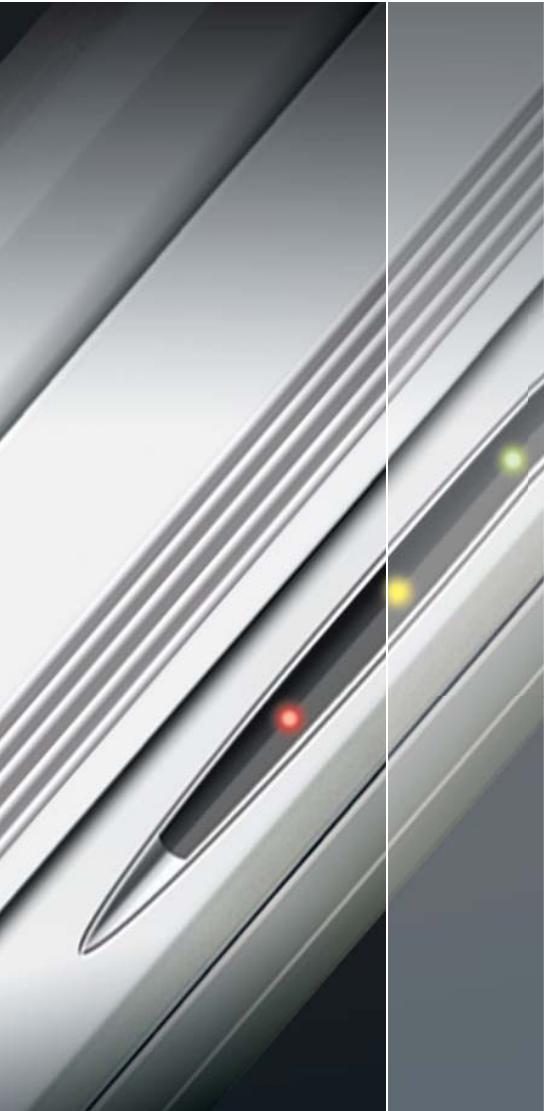


> KF(R)-23GW/F; KF(R)-26GW/F; KF(Rd)-34GW/F; KF(Rd)-42GW/F

Characteristics

- Fashion, simple and elegant curve panel make it easy remove the dust.
- Uses world-famous compressors including Toshiba, Daikin, Sanyo, etc.
- Multi-fold heat-exchange, hydrophilic aluminum foil, and inner-groove copper pipe, high efficiency.
- Airflow direction automatically controlled.
- PTC electric heating element, supplies more heating in the winter. (34GW; 42GW)
- Strong dehumidification to keep the room dry.
- Room Temp./Set temp. LED display.
- Big circulation airflow makes the temperature lower faster and evenly.
- Keep a constant temperature while you are asleep.
- 3-layer filter can kill the germ and remove the dust and smog inside.(option)
- Washable panel for easy cleaning.





XC Series

Optimal refrigeration system

High efficiency heat exchanger

Using the multi-fold heat-exchanger ,about 20%~40% more exchange area than other a/c units which improves the high energy efficient ratio of performance. meanwhile, equiped with inner-groove copper tube and hydrophilic aluminum foil to achieve the high performance of cooling and heating.



High-grade inner-groove copper pipe

Using high-grade inner-groove copper pipe to improve the heating and anti-defrosting efficiency of the heat-exchanger.



Inner-groove copper pipe

Compared with general aluminum foil, hydrophilic aluminum foil does not frost up like other conventional type A/C units, this also means that corrosion will no longer be a factor.



> **KF(Rd)-26GW/XC; KF(Rd)-34GW/XC; KF(R)-50GW/XC; KF(R)-70GW/XC**

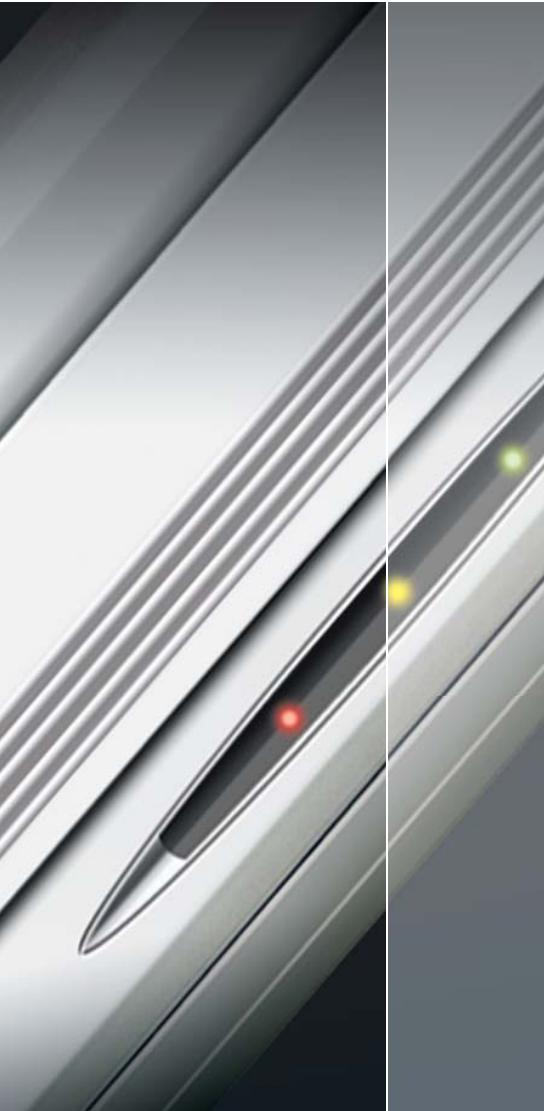
Characteristics

- Fashion, simple and elegant curved panel makes it easy to remove the dust.
- Using world-famous compressors including Toshiba, Daikin, Sanyo, etc.
- Four-fold heat-exchange, hydrophilic aluminum foil, and inner-groove copper pipe, high efficiency.
- Airflow direction automatically controlled.
- 3-layer filter can kill the germ and remove the dust and smoke inside.(option)
- Washable panel for easy cleaning.
- Big circulation airflow make the temperature lower fast and equally.
- Strong dehumidification to keeps the room dry, and comfortable
- Keeps a constant temperature while you are sleeping.





XF Series



Logical control system

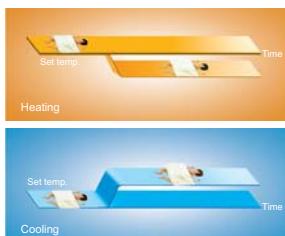
Auto "e" button

Press the "e" button, the computer automatically chooses its operation mode, press the button again, former operation mode will be resumed. Creative light design makes it easy to use in the dark or at night.



Comfortable sleeping and quiet operation

Before sleeping, if you press the sleeping mode button, the unit will adjust the air volume, speed, temperature according to the body physiology temperature curve to avoid the feeling sudden temperature changes and making you feel more comfortable.



Powerful dehumidification

Powerful dehumidification to keep the room dry, super-powerful dehumidification to avoid really high humidity problems.



> **KF(R)-23GW/XF; KF(R)-26GW/XF; KF(R)-34GW/XF; KF(R)-50GW/XF; KF(R)-70GW/XF**

Characteristics

- Fashion, simple and elegant curve panel.
- Using world-famous compressors including Toshiba, Daikin, Sanyo, etc.
- Multi-fold heat-exchange, hydrophilic aluminum foil, and inner-groove copper pipe, high efficiency.
- Airflow direction automatically controlled.
- 3-layer filter can kill the germ and remove the dust and smog inside.(option)
- Washable panel for easy cleaning.
- Digital VFD display the run mode and easily operate.
- Big circulation airflow make the temperature lower fast and equally.
- Strong dehumidification to keep the room dry, and comfortable
- Keeps a constant temperature while you are asleep.



XF Series



> KF(R)-23GW/XF; KF(R)-26GW/XF; KF(R)-34GW/XF; KF(R)-50GW/XF; KF(R)-70GW/XF

Characteristics

- Fashion, simple and elegant curve panel.
- Using world-famous compressors including Toshiba, Daikin, Sanyo, etc.
- Multi-fold heat-exchange, hydrophilic aluminum foil, and inner-groove copper pipe, high efficiency.
- Airflow direction automatically controlled.
- 3-layer filter can kill the germ and remove the dust and smog inside.(option)
- Washable panel for easy cleaning.
- Digital LED display the run mode and easily operate.
- Big circulation airflow makes the temperature lower faster.
- Strong dehumidification to keep the room dry, and comfortable
- Keeps a constant temperature while you are asleeping.



Technical Data

(HC Series)	KF(Rd)-26GW/HC	KF(Rd)-34GW/HC	KF(Rd)-42GW/HC
Power supply	220V/50Hz/1Ph	220V/50Hz/1Ph	220V/50Hz/1Ph
Capacity	Cooling (Btu) 9000 Heating+Electric heating (Btu) 9800+3000	12000 13000+3000	14000 16000+3000
Input power	Cooling (W) 728 Heating+Electric heating (W) 728+800	1050 1050+800	1450 1450+800
Running current	Cooling (A) 3.4 Heating+Electric heating (A) 3.4+3.8	5.0 5.0	6.9 6.9+3.8
Noise	Indoor (dB(A)) (Lo) 29 Outdoor (dB(A)) 48	30 50	32 52
Air circulation	(m ³ /h) 500	500	700
Suitable area	(m ²) 9~18	14~21	19~31
Indoor unit dimension	Net (mm) 795x285x215 Shipping (mm) 905x370x283	795x285x215 905x370x283	795x285x215 905x370x283
Outdoor unit dimension	Net (mm) 760x255x525 Shipping (mm) 890x360x590	760x255x525 890x360x590	760x255x525 890x360x590

(HC1 Series)	KF(Rd)-26GW/HC1	KF(Rd)-34GW/HC1
Power supply	220V/50Hz/1Ph	220V/50Hz/1Ph
Capacity	Cooling (Btu) 9000 Heating+Electric heating (Btu) 9800+3000	12000 13000+3000
Input power	Cooling (W) 780 Heating+Electric heating (W) 780+800	1150 1150+800
Running current	Cooling (A) 3.7 Heating+Electric heating (A) 3.7+3.8	5.4 5.4+3.8
Noise	Indoor (dB(A)) (Lo) 29 Outdoor (dB(A)) 48	30 50
Air circulation	(m ³ /h) 500	500
Suitable area	(m ²) 9~18	14~21
Indoor unit dimension	Net (mm) 790x270x185 Shipping (mm) 875x335x245	790x270x185 875x335x245
Outdoor unit dimension	Net (mm) 760x255x525 Shipping (mm) 890x360x590	760x255x525 890x360x590

The Test of those above are stipulated on country's standard pipe's average length: 5m, if exceed please fill up additional refrigerant.

Cooling: Indoor Circulating Temp: 27°C DB, 19°C WB Outdoor Temp: 35°C DB, 24°C WB

Heating: Indoor Circulating Temp: 20°C DB, 16°C WB Outdoor Temp: 7°C DB, 6°C WB

All above data refer to the refrigerant R410A condition, the above specifications are for reference only. Detailed information may be obtained through inquiries to the dealers. The specifications are subject to change without notice.

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Technical Data

(G Series)	KF(R)-26GW/G	KF(R)-34GW/G
Power supply	220V/50Hz/1Ph	220V/50Hz/1Ph
Capacity	Cooling (Btu) 9000 Heating (Btu) 9800	12000 13000
Input power	Cooling (W) 780 Heating (W) 780	1050 1050
Running current	Cooling (A) 3.7 Heating (A) 3.7	5.0 5.0
Noise	Indoor (dB(A)) (Lo) 24 Outdoor (dB(A)) 48	28 50
Air circulation	(m ³ /h) 500	500
Suitable area	(m ²) 9~18	14~21
Indoor unit dimension	Net (mm) 799x282x195 Shipping (mm) 865x340x265	799x282x195 865x340x265
Outdoor unit dimension	Net (mm) 760x255x525 Shipping (mm) 890x360x590	760x255x525 890x360x590
Energy class	A	A

(F Series)	KF(R)-23GW/F	KF(R)-26GW/F	KF(Rd)-34GW/F	KF(Rd)-42GW/F
Power supply	220V/50Hz/1Ph	220V/50Hz/1Ph	220V/50Hz/1Ph	220V/50Hz/1Ph
Capacity	Cooling (Btu) 7800 Heating+Electric heating (Btu) 8500	9000 13000+3000	12000 16000+3000	14000
Input power	Cooling (W) 800 Heating+Electric heating (W) 780	890 890	1150 1150+800	1450 1450+800
Running current	Cooling (A) 3.7 Heating+Electric heating (A) 3.8	4.2 4.2	5.4 5.4+3.8	6.9 6.9+3.8
Noise	Indoor (dB(A)) (Lo) 27 Outdoor (dB(A)) 47	29 48	30 50	32 52
Air circulation	(m ³ /h) 350	450	500	700
Suitable area	(m ²) 8~15	9~18	14~21	19~31
Indoor unit dimension	Net (mm) 740x250x190 Shipping (mm) 822x315x240	740x250x190 822x315x240	790x270x185 875x335x245	795x285x215 905x370x283
Outdoor unit dimension	Net (mm) 600x255x525 Shipping (mm) 670x360x600	600x255x525 670x360x600	760x255x525 890x360x590	760x255x525 890x360x590

The Test of 1 hose above are stipulated on country's standard pipe's average length: 5m, if exceed please fill up additional refrigerant.

Cooling: Indoor Circulating Temp: 27°C DB: 19°C WB Outdoor Temp: 35°C DB: 24°C WB

Heating: Indoor Circulating Temp: 20°C DB: Outdoor Temp: 7°C DB: 6°C WB

All above data refer to the refrigerant R22 (G series: R410A) condition, the above specifications are for reference only. Detailed information may be obtained through inquiries to the dealers. The specifications are subject to change without notice.

This information has been carefully verified for accuracy and precision. This Co. shall not be liable for consequences caused by the possible errors in printing process.

(XC Series)	KF(Rd)-26GW/XC	KF(Rd)-34GW/XC	KF(R)-50GW/XC	KF(R)-70GW/XC
Power supply	220V/50Hz/1Ph	220V/50Hz/1Ph	220V/50Hz/1Ph	220V/50Hz/1Ph
Capacity	Cooling (Btu) 9000 Heating+Electric heating (Btu) 9800+3000	12000 13000+3000	18000 19000	24000 26000
Input power	Cooling (W) 860 Heating+Electric heating (W) 860+800	1150 1150+800	1820 1820	2500 2500
Running current	Cooling (A) 4.0 Heating+Electric heating (A) 4.0+3.8	5.4 5.4+3.8	8.6 8.6	11.8 11.8
Noise	Indoor (dB(A)) (Lo) 29 Outdoor (dB(A)) 48	30 50	36 56	40 58
Air circulation	(m ³ /h) 500	500	800	1000
Suitable area	(m ²) 9~18	14~21	14~21	30~50
Indoor unit dimension	Net (mm) 790x270x185 Shipping (mm) 875x335x245	790x270x185 875x335x245	990x330x200 1065x375x255	1090x330x230 1145x375x305
Outdoor unit dimension	Net (mm) 760x255x525 Shipping (mm) 890x360x590	760x255x525 890x360x590	850x290x580 995x390x650	865x310x710 1025x395x790

(XF Series)	KF(R)-23GW/XF	KF(R)-26GW/XF	KF(R)-34GW/XF	KF(R)-50GW/XF	KF(R)-70GW/XF
Power supply	220V/50Hz/1Ph	220V/50Hz/1Ph	220V/50Hz/1Ph	220V/50Hz/1Ph	220V/50Hz/1Ph
Capacity	Cooling (Btu) 7800 Heating (Btu) 8500	9000 13000	12000 18000	18000 24000	24000
Input power	Cooling (W) 760 Heating (W) 780	890 890	1150 1150	1820 1820	2500 2500
Running current	Cooling (A) 3.5 Heating (A) 3.8	4.2 4.2	5.4 5.4	8.6 8.6	11.8 11.8
Noise	Indoor (dB(A)) (Lo) 28 Outdoor (dB(A)) 47	29 48	30 50	36 56	40 58
Air circulation	(m ³ /h) 350	450	500	800	1000
Suitable area	(m ²) 8~15	9~18	14~21	22~34	30~50
Indoor unit dimension	Net (mm) 764x250x199 Shipping (mm) 825x335x265	764x250x199 825x335x265	764x250x199 825x335x265	990x330x200 1065x375x255	1090x330x230 1145x375x305
Outdoor unit dimension	Net (mm) 600x255x525 Shipping (mm) 670x360x600	600x255x525 670x360x600	760x255x525 890x360x590	850x290x580 995x390x650	865x310x710 1025x395x790

Multi Split Series

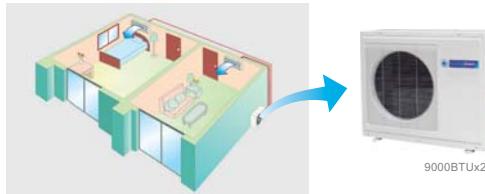


Dual compressors

With the design of dual compressors, you can select to operate one or two units at the same time.

Multi cooling/heating system

If you want to have air conditioners in two rooms, the dual system is the ideal solution. One outdoor unit can cool/heat one or two rooms at same time. You can enjoy yourself with comfortable air conditioning in two rooms without having to be concerned about space for multiple outdoor units.



	KFR-26GWx2 (HC series)	KFR-34GWx2 (HC series)	KFR-26GWx2 (F series)	KFR-34GWx2 (F series)	KFR-26GWx2 (XC series)	KFR-34GWx2 (XC series)
Power supply	220V/50Hz/1Ph	220V/50Hz/1Ph	220V/50Hz/1Ph	220V/50Hz/1Ph	220V/50Hz/1Ph	220V/50Hz/1Ph
Capacity	Cooling (Btu) 9000x2	12000x2	9000x2	12000x2	9000x2	12000x2
	Heating (Btu) 9800x2	12000x2	9000x2	12000x2	9800x2	12000x2
Input power	Cooling (W) 890x2	1250x2	930x2	1250x2	890x2	1250x2
	Heating (W) 890x2	1250x2	930x2	1250x2	890x2	1250x2
Running current	Cooling (A) 4.2x2	5.9x2	4.6x2	5.9x2	4.2x2	5.9x2
	Heating (A) 4.2x2	5.9x2	4.6x2	5.9x2	4.2x2	5.9x2
Noise	Indoor (dB(A)) (Lo) 29	30	29	30	29	30
	Outdoor (dB(A)) 52	56	52	56	52	56
Air circulation	(m ³ /h) 450x2	500x2	450x2	500x2	450x2	500x2
Suitable area	(m ²) (8~17)x2	(14~21)x2	(8~17)x2	(14~21)x2	(8~17)x2	(14~21)x2
Indoor unit dimension	Net (790x270x185)x2	(790x270x185)x2	(740x250x190)x2	(790x270x185)x2	(790x270x185)x2	(790x270x185)x2
	Shipping (mm) (875x335x245)x2	(875x335x245)x2	(822x315x240)x2	(875x335x245)x2	(875x335x245)x2	(875x335x245)x2
Outdoor unit dimension	Net 850x290x580	910x340x810	850x290x580	910x340x810	850x290x580	910x340x810
	Shipping (mm) 995x390x650	1080x440x990	995x390x650	1080x440x990	995x390x650	1080x440x990

Multi Split Series

Convenience

1. If you want to maintain the temperatures of multi-rooms you can turn on any of them simultaneously.
2. If you need to lower the temperature of one room you can only use single-refrigeration.
3. If you need to lower the temperature of two rooms speedily, turn on one of them and turn off it when the temperature has decreased quickly then turn on the other one.

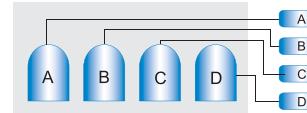


Enjoy double the comfort

Mapo's multi split air conditioner is ideal when you want to cool or heat more than one room. Using a single outdoor unit to drive two, three or four indoor units requires less installation space outside. Each indoor unit is now available in a selection of various design styles. Your choice also increases with single split designs.

Multi compressors

By the design of multi compressors, you can select to operate one or multiple units at the same time.



	KFR-34GWx3 (HC series)	KFR-34GWx3 (F series)	KFR-34GWx3 (XC series)	KFR-(26x2+60)GW (XC series)	KFR-(34x2+50)GW (XC series)
Power supply	220V/50Hz/1Ph	220V/50Hz/1Ph	220V/50Hz/1Ph	220V/50Hz/1Ph	220V/50Hz/1Ph
Capacity	Cooling (Btu) 12000x3	Cooling (Btu) 12000x3	Cooling (Btu) 12000x3	Cooling (Btu) 9000x2+20700	Cooling (Btu) 12000x2+17000
	Heating (Btu) 12000x3	Heating (Btu) 12000x3	Heating (Btu) 12000x3	Heating (Btu) 9800x2+2500	Heating (Btu) 12000x2+18000
Input power	Cooling (W) 1250x3	Cooling (W) 1250x3	Cooling (W) 1250x3	Cooling (W) 890x2+2430	Cooling (W) 1250x2+1920
	Heating (W) 1250x3	Heating (W) 1250x3	Heating (W) 1250x3	Heating (W) 890x2+2430	Heating (W) 1250x2+1920
Running current	Cooling (A) 5.9x3	Cooling (A) 5.9x3	Cooling (A) 5.9x3	Cooling (A) 4.2x2+11.3	Cooling (A) 5.9x2+8.8
	Heating (A) 5.9x3	Heating (A) 5.9x3	Heating (A) 5.9x3	Heating (A) 4.2x2+11.3	Heating (A) 5.9x2+8.8
Noise	Indoor (dB(A)) (Lo) 30	Indoor (dB(A)) (Lo) 30	Indoor (dB(A)) (Lo) 30	Indoor (dB(A)) (Lo) 29; 38	Indoor (dB(A)) (Lo) 30; 36
	Outdoor (dB(A)) 58	Outdoor (dB(A)) 58	Outdoor (dB(A)) 58	Outdoor (dB(A)) 60	Outdoor (dB(A)) 60
Air circulation (m³/h)	500x3	500x3	500x3	450x2+800	500x2+800
Suitable area (m²)	(14~21)x3	(14~21)x3	(14~21)x3	(8~17)x2+(24~38)	(14~21)x2+(22~34)
Indoor unit dimension	Net (mm) (790x270x185)x3	Net (mm) (790x270x185)x3	Net (mm) (790x270x185)x3	Net (mm) (790x270x185)x2; 990x330x200	Net (mm) (790x270x185)x2; 990x330x200
	Shipping (mm) (875x335x245)x3	Shipping (mm) (875x335x245)x3	Shipping (mm) (875x335x245)x3	Shipping (mm) (875x335x245)x2; 1065x375x255	Shipping (mm) (875x335x245)x2; 1065x375x255
Outdoor unit dimension	Net (mm) 910x340x1330	Net (mm) 910x340x1330	Net (mm) 910x340x1330	Net (mm) 910x340x1330	Net (mm) 910x340x1330
	Shipping (mm) 1080x440x1490	Shipping (mm) 1080x440x1490	Shipping (mm) 1080x440x1490	Shipping (mm) 1080x440x1490	Shipping (mm) 1080x440x1490

	KFR-26GWx4 (HC series)	KFR-34GWx4 (HC series)	KFR-26GWx4 (F series)	KFR-34GWx4 (F series)	KFR-26GWx4 (XC series)	KFR-34GWx4 (XC series)
Power supply	220V/50Hz/1Ph	220V/50Hz/1Ph	220V/50Hz/1Ph	220V/50Hz/1Ph	220V/50Hz/1Ph	220V/50Hz/1Ph
Capacity	Cooling (Btu) 9000x4	Cooling (Btu) 12000x4	Cooling (Btu) 9000x4	Cooling (Btu) 12000x4	Cooling (Btu) 9000x4	Cooling (Btu) 12000x4
	Heating (Btu) 9800x4	Heating (Btu) 12000x4	Heating (Btu) 9000x4	Heating (Btu) 12000x4	Heating (Btu) 9800x4	Heating (Btu) 12000x4
Input power	Cooling (W) 890x4	Cooling (W) 1250x4	Cooling (W) 930x4	Cooling (W) 1250x4	Cooling (W) 890x4	Cooling (W) 1250x4
	Heating (W) 890x4	Heating (W) 1250x4	Heating (W) 930x4	Heating (W) 1250x4	Heating (W) 890x4	Heating (W) 1250x4
Running current	Cooling (A) 4.2x4	Cooling (A) 5.9x4	Cooling (A) 4.6x4	Cooling (A) 5.9x4	Cooling (A) 4.2x4	Cooling (A) 5.9x4
	Heating (A) 4.2x4	Heating (A) 5.9x4	Heating (A) 4.6x4	Heating (A) 5.9x4	Heating (A) 4.2x4	Heating (A) 5.9x4
Noise	Indoor (dB(A)) (Lo) 29	Indoor (dB(A)) (Lo) 30	Indoor (dB(A)) (Lo) 29	Indoor (dB(A)) (Lo) 30	Indoor (dB(A)) (Lo) 29	Indoor (dB(A)) (Lo) 30
	Outdoor (dB(A)) 56	Outdoor (dB(A)) 58	Outdoor (dB(A)) 56	Outdoor (dB(A)) 58	Outdoor (dB(A)) 56	Outdoor (dB(A)) 58
Air circulation (m³/h)	450x4	500x4	450x4	500x4	450x4	500x4
Suitable area (m²)	(8~17)x4	(14~21)x4	(8~17)x4	(14~21)x4	(8~17)x4	(14~21)x4
Indoor unit dimension	Net (mm) (790x270x185)x4	Net (mm) (790x270x185)x4	Net (mm) (740x250x190)x4	Net (mm) (790x270x185)x4	Net (mm) (790x270x185)x4	Net (mm) (790x270x185)x4
	Shipping (mm) (875x335x245)x4	Shipping (mm) (875x335x245)x4	Shipping (mm) (822x315x240)x4	Shipping (mm) (875x335x245)x4	Shipping (mm) (875x335x245)x4	Shipping (mm) (875x335x245)x4
Outdoor unit dimension	Net (mm) 910x340x1330					
	Shipping (mm) 1080x440x1490					

Cabinet Series

Harmonious, design, superior capability

Fashion with liquid crystal display

With fashional liquid crystal display, operation condition can be clear at a glance, it can be operated conveniently even in darkness.



Auto shutter

Auto shutter opens smoothly when the air conditioner is turned on and it closes if the unit is turned off. It protects the air conditioner from dust even without a cover and the air conditioner goes well with any home.

Three-dimensional airflow

You can choose the air-direction according to the space and requirement, reduce energy waste and have a more comfortable living space.

Efficient and quiet

Large-diameter turbofan and vortex duct are incorporated for powerful and quiet airflow. The design of scroll-compressor leads to lower noise and higher efficiency.



> KF(Rd)-50LW

- Fashion, simple and elegant curved panel.
- Using the world-famous brand compressors.
- Fashion with liquid crystal display.
- Power cooling & heating capacity with long distance air flow.
- Airflow direction automatically controlled.
- PTC electric heating element, supplies more heating in winter.
- Three-dimensional airflow, ensures a more comfortable living space.(YC series)
- Airflow direction automatically controlled.
- Auto shutter.
- Keep a constant temperature while you are sleeping.
- Strong dehumidification to keep the room dry, and comfortable

Floor Standing Series



> KF(Rd)-70LW; KF(Rd)-120LW

Characteristics

- Magnificent appearance.
- Using the world-famous brand scroll compressor.
- Fashion with liquid crystal display.
- Long distance and wide-angle airflow.
- Large-diameter turbofan dan vortex duct are incorporated for powerful and quiet airflow.
- Airflow direction automatically controlled.
- Auxiliary electric heating system is adopted to ensure sufficient air-conditioning even in chilly winter.
- Strong dehumidification to keep the room dry, and comfortable



Large-diameter
turbofan

Vortex duct design

Scroll type compressor

Technical Data

KF(Rd)-50LW	
Power supply	220V/50Hz/1Ph
Capacity	Cooling (Btu) Heating (Btu) Electric heating (Btu)
Input power	Cooling (W) Heating (W) Electric heating (W)
Running current	Cooling (A) Heating (A) Electric heating (A)
Noise	Indoor (dB(A)) (Lo) Outdoor (dB(A))
Air circulation	(m ³ /h)
Suitable area	(m ²)
Indoor unit dimension	Net/Shipping (mm)
Outdoor unit dimension	Net/Shipping (mm)

	KF(Rd)-70LW	KF(Rd)-120LW
Power supply	220V/50Hz/1Ph	380V/50Hz/3Ph
Capacity	Cooling (Btu) Heating (Btu) Electric heating (Btu)	24000 26000 5000
Input power	Cooling (W) Heating (W) Electric heating (W)	2500 2500 1500
Running current	Cooling (A) Heating (A) Electric heating (A)	11.8 11.8 6.8
Noise	Indoor (dB(A)) (Lo) Outdoor (dB(A))	41 58
Air circulation	(m ³ /h)	1000
Suitable area	(m ²)	30~45
Indoor unit dimension	Net/Shipping (mm)	540x280x1785/625x375x1855
Outdoor unit dimension	Net/Shipping (mm)	865x310x710/1025x395x790

The Test of hose above are stipulated on country's standard pipe's average length: 5m, if exceed please fill up additional refrigerant.

Cooling: Indoor Circulating Temp: 27°C DB; 19°C WB Outdoor Temp: 35°C DB; 24°C WB

Heating: Indoor Circulating Temp: 20°C DB; 17°C WB Outdoor Temp: 7°C DB; 6°C WB

All above data refer to the refrigerant R22 condition, the above specifications are for reference only. Detailed information may be obtained through inquiries to the dealers. The specifications are subject to change without notice.

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Person-centered design, meet the demand of different places

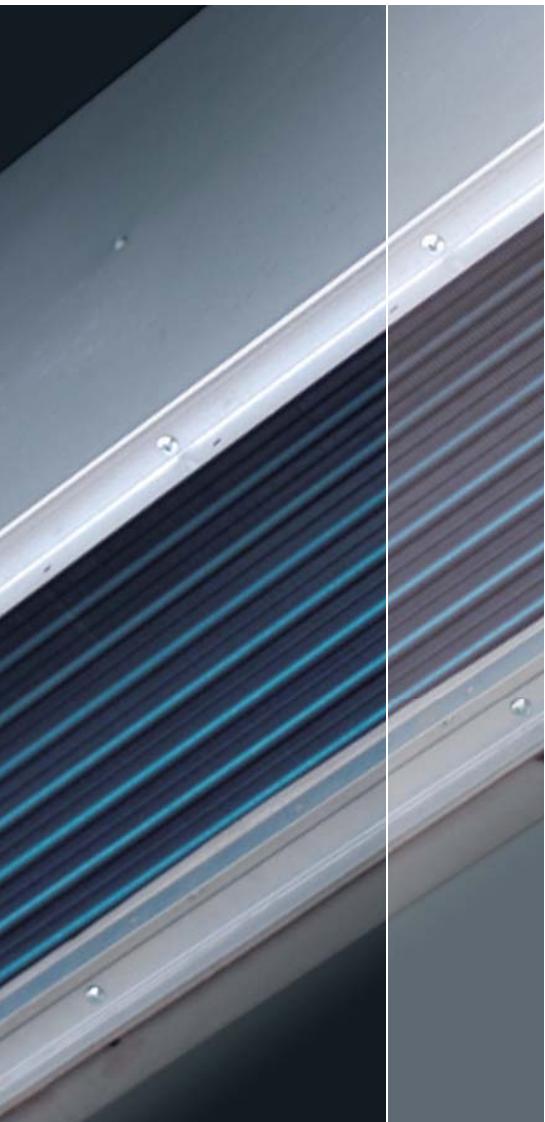
Connecting people, to the market demand, Mapo air conditioner designed different wall-mounted and Cabinet A/C after large market research and analyze, such as: Cassette type, Duct type, Ceiling/Floor type and Portable type, which are widely used from business area and home, and are very popular among customers from many countries.

Like Portable series, it can be moved to anywhere in the room according to your demand, saving costs, which the normal A/C can't.

Also the Ceiling/Floor series is convenient for installation and saves valuable space.



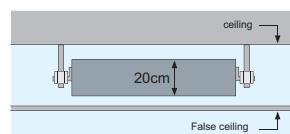
Duct Series



Saving space: 20cm super thin design

Super thin design, the whole thickness of indoor unit is only 20cm (9000~12000BTU), and concealed installation combines with indoor decoration perfectly.

By using this thin design the fan coil can fit within any false ceiling space or in the roof void at home.



Multi vane design

Whatever your room design we have grills to match.



26dB low noise run, enjoy comfort

By using Mapo splendid quiet processing technology, The large-diameter fan, the low-noise operation is as low as 26dB.



> KFR(d)-26NW; KFR(d)-35NW

Characteristics

- Super thin design, the whole thickness of indoor unit is only 20cm, making concealed installation easy to combine with the indoor decorations.
- Multi vane design, make the room more comfortable and quieter (26dB low noise whilst running).
- Keep a constant temperature while you are sleeping.
- Strong dehumidification to keep the room dry, and comfortable.



> KFR(d)-50NW; KFR(d)-70NW; KFR(d)-120NW; KFR(d)-140NW

Characteristics

- Super thin design, the whole thickness of indoor unit is only 20cm, making concealed installation easy to combine with the indoor decorations.
- Multi vane design, make the room more comfortable and quieter (26dB low noise whilst running).
- Super-long refrigerant pipe design.
- Keep a constant temperature while you are sleeping.
- Strong dehumidification to keep the room dry, and comfortable.



Saving space

The indoor unit can be installed on the ceiling or placed on the floor, thus saving space. A big room or hall needs a high power air conditioner, and the old style cabinet type air conditioners take up to much space and do not match with the furniture. Mapo floor/ceiling air conditioners can solve all those problems with installation on the ceiling or placed on the floor.

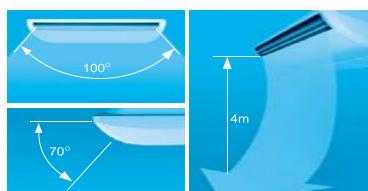


Quiet operation

The ceiling/floor unit is equipped with a highly efficient, multi-blade centrifugal fan that generates a powerful yet gentle airflow throughout the room. A redesigned aerodynamically tested flap structure minimizes operational sound even at high fan speed.

Wide angle airflow in 3 dimensions

The Mapo ceiling/floor model air conditioner can send air flow in a wide angle, 70 degree from top to bottom and 100 degree from left to right. Fan speed can be adjusted according to the ceiling height (max. ceiling height is 4m).



Ceiling/Floor Series



> **KFR-35DW; KFR-50DW; KFR-70DW; KFR-100DW; KFR-140DW; KFR-170DW**

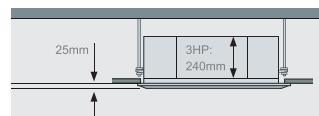
Characteristics

- Adopting a modern design style to coordinate with the different space requirements, providing installation options to coincide with the room decor.
- Using world-famous compressors including Toshiba, Mitsubishi, Sanyo, etc.
- Excellently efficient and energy-saving system.
- High efficiency air purifying filter, all smoke particles are absorbed and refreshes the room.
- Airflow direction automatically controlled.
- Keep a constant temperature while you are sleeping.
- Strong dehumidification to keep the room dry, and comfortable.
- The indoor unit is light in design, making it easy to overhang.
- The maintenance space required is smaller and accessed more conveniently.
- Adopting self protection designs such as power source cut-off protection and phase sequence protection to guarantee operation security.



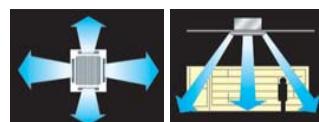
Compact design, space saver

Mapo cassette series are designed to enable the unit to be installed with minimum ceiling height. Its front panel with 25mm thickness can be installed in almost all ceiling designs without affecting the interior décor, and the thickest part of the main machine is 24cm (3hp), which can be installed in a reasonably small space.



Turbo fan, lower noise

4-way airflow air conditioners are particularly suitable for use in public spaces such as stores, offices, conference hall, hospitals, schools and restaurants. The 4-way type model takes air in at the center of the unit, with cool airflow in 4 directions. Installation in the center of the room provides greater comfort.



Turbo fan, lower noise

The fan blade adopts the design of an irregular helix; allowing the indoor unit to run at the lowest decibel level.



Cassette Series

> KF(R)-35QW; KF(R)-50QW/A

Characteristics

- Using the world-famous brand scroll & rotary compressors including Sanyo, Daikin, etc.
- Adopting uniform size with a square, elegant streamline panel.
- The drain pump can lift condensed water up to 750mm above the plate port.
- Wide angle airflow: 60 degrees from top to bottom.
- Swing grill is easy to clean.
- Keep a constant temperature while you are sleeping.
- Strong dehumidification to keep the room dry, and comfortable



> KF(Rd)-50QW/B; KF(Rd)-70QW; KF(Rd)-120QW; KF(Rd)-140QW

Characteristics

- Using the world-famous brand scroll & rotary compressors including Toshiba, Mitsubishi, Sanyo, etc.
- Adopting uniform size with a square, elegant streamline panel.
- The drain pump can lift condensed water up to 750mm above the plate port.
- Wide angle airflow: 60 degrees from top to bottom.
- Swing grill is easy to clean.
- Keep a constant temperature while you are sleeping.
- Strong dehumidification to keep the room dry, and comfortable





Easy installation and convenient operation

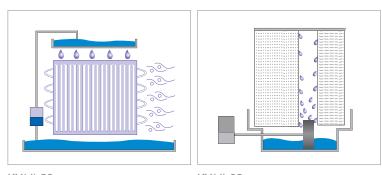
Mobile type of close air-cooling

Equipped with four wheels, the mobile air conditioner can be conveniently moved from room to room: kitchen, dinning room, bedroom or wherever air conditioning is needed.



New design for water discharge, creates higher efficiency

To avoid condensing water from overflowing traditional portable air conditioners have a water tank. This water tank needs to be constantly emptied manually. With our new design, Mapo portable series adopts a water pump system to pump the water and spray the coil. This solves the problem of having to manually dump condensed water and at the same time raises the efficiency of the unit.



Easy to control

The fashionable liquid crystal display makes operation easy and convenient, even in darkness.

Portable Series



> KY-32; KYd-32

Characteristics

- Equipped with four wheels, the unit can be conveniently moved from room to room.
- Using the world-famous brand compressors.
- Special design, no damage to decorations.
- Big water tank with full-water (5.5 liter) alarm and over-flow protection function.
- PTC electric heating element, supply more heating in winter.
- Detachable and washable air filter.
- Strong dehumidification to keep the room dry, and comfortable

> KY-26; KYd-26

Characteristics

- Equipped with four wheels, the unit can be conveniently moved from room to room.
- Using the world-famous brand compressors.
- Special design, no damage to decorations.
- Big water tank with full-water (5.5 liter) alarm and over-flow protection function.
- PTC electric heating element, supply more heating in winter.
- Detachable and washable air filter.
- Strong dehumidification to keep the room dry, and comfortable

Technical Data

(Duct Series)	KFR(d)-26NW	KFR(d)-35NW	KFR(d)-50NW	KFR(d)-70NW	KFR(d)-120NW	KFR(d)-140NW
Power supply	220V/50Hz/1Ph	220V/50Hz/1Ph	220V/50Hz/1Ph	220V/50Hz/1Ph	380V/50Hz/3Ph	380V/50Hz/3Ph
Capacity	Cooling (Btu)	9000	12000	17000	24000	42000
	Heating+Electric heating (Btu)	9800+3000	14000+3500	19000+5000	26000+5000	43000+7000
Input power	Cooling (W)	860	1250	1820	2500	4200
	Heating+Electric heating (W)	860+800	1250+1000	1820+1500	2500+1500	4200+2000
Running current	Cooling (A)	4.1	5.9	8.6	11.8	6.4
	Heating+Electric heating (A)	4.1+3.8	5.9+4.5	8.6+6.8	11.8+6.8	6.4+9.0
Noise	Indoor (dB(A)) (Lo)	33	35	38	43	49
	Outdoor (dB(A))	48	50	56	58	60
Air circulation	(m ³ /h)	550	700	900	1500	1900
Suitable area	(m ²)	14~21	14~24	22~34	30~50	50~90
Indoor unit dimension	Net (mm)	980x665x200	980x665x200	1060x580x250	1390x580x250	1700x580x250
	Shipping (mm)	995x680x220	995x680x220	1075x595x265	1405x595x265	1715x595x265
Outdoor unit dimension	Net (mm)	760x255x525	760x255x525	850x310x580	865x310x710	910x340x1080
	Shipping (mm)	890x360x590	890x360x590	995x390x650	1025x395x790	1080x440x1240

(Ceiling/Floor Series)	KFR-35DW	KFR-50DW	KFR-70DW	KFR-100DW	KFR-140DW	KFR-170DW
Power supply	220V/50Hz/1Ph	220V/50Hz/1Ph	220V/50Hz/1Ph	220V/50Hz/1Ph	380V/50Hz/3Ph	380V/50Hz/3Ph
Capacity	Cooling (Btu)	12000	17000	24000	34000	48000
	Heating (Btu)	13000	18000	26000	38000	52000
Input power	Cooling (W)	1250	1820	2500	3800	4900
	Heating (W)	1250	1820	2500	3900	6200
Running current	Cooling (A)	5.9	8.6	11.8	6.5	7.4
	Heating (A)	5.9	8.6	11.8	6.7	9.4
Noise	Indoor (dB(A)) (Lo)	34	36	41	43	48
	Outdoor (dB(A))	48	56	56	58	60
Air circulation	(m ³ /h)	600	800	1200	1400	1900
Suitable area	(m ²)	15~20	22~34	35~50	35~60	70~100
Indoor unit dimension	Net (mm)	905x673x243	905x673x243	1288x673x243	1288x673x243	1672x673x243
	Shipping (mm)	995x765x311	995x765x311	1375x765x311	1375x765x311	1760x765x311
Outdoor unit dimension	Net (mm)	760x255x525	850x290x580	865x310x710	930x350x920	910x340x1330
	Shipping (mm)	890x360x590	995x390x650	1025x395x790	1105x435x1120	1080x440x1490

The Test of those above are stipulated on country's standard pipe's average length: 5m, If exceed please fill up additional refrigerant.

Cooling: Indoor Circulating Temp: 27°C DB, 19°C WB Outdoor Temp: 35°C DB, 24°C WB

Heating: Indoor Circulating Temp: 20°C DB, Outdoor Temp: 7°C DB, 6°C WB

All above data refer to the refrigerant R22 condition, the above specifications are for reference only. Detailed information may be obtained through inquiries to the dealers. The specifications are subject to change without notice.

This information has been carefully verified for accuracy and precision. This Co. shall not be liable for consequences caused by the possible errors in printing process.

(Cassette Series)	KF(R)-35QW	KF(R)-50QW/A	KF(Rd)-50QW/B	KF(Rd)-70QW	KF(Rd)-120QW	KF(Rd)-140QW
Power supply	220V/50Hz/1Ph	220V/50Hz/1Ph	220V/50Hz/1Ph	220V/50Hz/1Ph	380V/50Hz/3Ph	380V/50Hz/3Ph
Capacity	Cooling (Btu)	12000	17000	17000	24000	42000
	Heating+Electric heating (Btu)	13000	18000	19000+3000	26000+5000	43000+8500
Input power	Cooling (W)	1250	1920	1820	2500	4200
	Heating+Electric heating (W)	1250	1920	1820+800	2500+1500	4200+2500
Running current	Cooling (A)	5.9	8.8	8.6	11.8	6.4
	Heating+Electric heating (A)	5.9	8.8	8.6+3.8	11.8+6.8	6.4+11.8
Noise	Indoor (dB(A)) (Lo)	34	38	32	38	42
	Outdoor (dB(A))	50	56	56	58	60
Air circulation	(m ³ /h)	500	800	800	1150	1700
Suitable area	(m ²)	14~24	22~34	22~34	30~50	60~90
Indoor unit main	Net (mm)	590x590x260	590x590x260	840x840x240	840x840x240	840x840x285
machine dimension	Shipping (mm)	675x675x310	675x675x310	855x885x260	855x885x305	855x885x305
Indoor unit	Net (mm)	650x650x30	650x650x30	950x950x45	950x950x45	950x950x45
panel dimension	Shipping (mm)	720x720x135	720x720x135	1005x1005x100	1005x1005x100	1005x1005x100
Outdoor unit dimension	Net (mm)	760x255x525	850x290x580	850x290x580	865x310x710	910x340x1080
	Shipping (mm)	890x360x590	995x390x650	995x390x650	1025x395x790	1080x440x1240

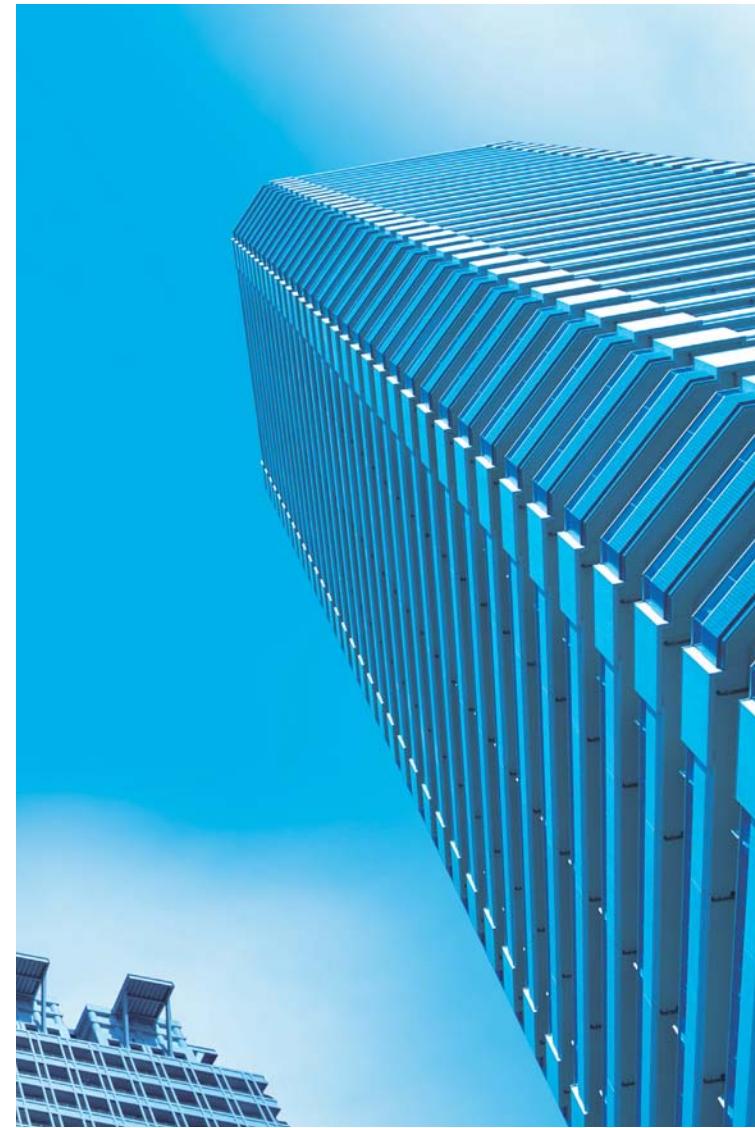
(Portable Series)	KY-26	KYd-26	KY-32	KYd-32
Power supply	220V/50Hz/1Ph	220V/50Hz/1Ph	220V/50Hz/1Ph	220V/50Hz/1Ph
Capacity	Cooling (Btu)	9000	9000	12000
	Electric heating (Btu)	-	+7000 (PTC)	-
Input power	Cooling (W)	880	880	1200
	Electric heating (W)	-	+2000 (PTC)	-
Running current	Cooling (A)	4.1	4.1	5.7
	Electric heating (A)	-	+9.1	-
Noise	(dB(A)) (Lo)	40	40	42
	Air circulation	270	270	420
	Water tank volume	(L)	4.5	4.5
	Suitable area	(m ²)	6~15	8~18
Dimension	Net (mm)	420x390x792	420x390x792	515x415x937
	Shipping (mm)	460x440x852	460x440x852	565x465x997



Chilled water unit

Mapo's Chilled Water Unit combines years of automatic control experience and refrigeration system, adopting the latest refrigeration technology, developing under the concept of "comfortable, reliable, energy saving, environmental protection".

This series unit providing cooling in summer and heating in winter, no need for boiler rooms; Installed on the roof, saving the cost of refrigeration room, avoiding concerns of cold water maintenance and germs; high COP, high automation, 65 series extensively used in office building, villa, factory, hospital, hotel and public place of entertainment, 25 series and above suitable for apartment, villa etc., and also medium-sized business places.

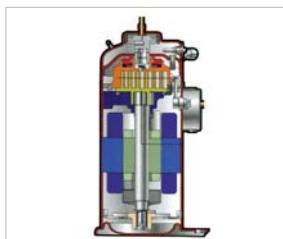


Chilled Water unit

New compressor multi technology combined with the thermal expansion throttle technology using world famous brand as some key parts. Strict testing to ensure the stable and advanced quality, high efficiency, energy saving and comfortable.

Soft and stable scroll compressor

Adopting world famous brand scroll compressor, optimization system design, high efficiency heating exchange. Adopting multi compressors, uninstalls the single phase energy automatically, achieve full overload and part overload working according to the requirement.



Other reliable parts

Adopting thermal expansion valve, four-way valve and other famous brand components, to ensure stable working.

Recommend (for home users)

Home users can choose the type according to the room space and power supply flexible because of the eer module design.

Area(m ²)	Recommend	Available indoor unit	Phase
<100m ²	1 unit of 8KW	2~3	Single
<160m ²	2 unit of 8KW	4~6	Single
<200m ²	3 unit of 8KW	6~8	Single
Villa	Any type	>8	3 Phases

Module design, scaleable capacity, flexible for installation

1. Module system design, each unit independent and also back up of each other, any of the units that appear malfunction will not affect the system
2. multi module designed to work together, can connect a maximum of 16 modules.
3. 8KW is single phase designed, suitable for 100m² apartment.



Primary option of comfortable space

One chilled water unit can connect several indoor units, including Duct, Cassette, Ceiling/Floor, to harmonize with the modern room decoration. Customers can enjoy not only the relaxed life, but also the elegant ambiance of a 5 star-level hotel.



Chilled Water unit

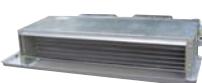


HLR08/B; HLR12/B; HLR17/B
HLR25/A
LSQWRF65/A

	HLR8/B	HLR12/B	HLR17/B	HLR25/A	LSQWRF65/A
Power supply	220V/50Hz/1Ph	380V/50Hz/3Ph	380V/50Hz/3Ph	380V/50Hz/3Ph	380V/50Hz/3Ph
Capacity	8.0/8.5	12.0/12.5	17.0/17.7	25.0/26.0	65.0/68.0
Input power	Cooling/Heating (kW)	4.4/4.5	6.2/6.4	9.1/9.3	23.6/24.5
Current	Cooling/Heating (A)	13.7/14.6	6.7/6.8	9.4/9.7	13.8/14.1
Energy adjustment	-	-	-	0.50%~100%	0.25%~50%~75%~100%
Type of compressor	Rotary	Scroll	Scroll	Scroll	Scroll
Refrigerant (R22 or R407C) charge(Kg)	1.65	3.0	3.5	2x3.2	4x3.8
Flow control	Expansion valve	Expansion valve	Expansion valve	Expansion valve	Expansion valve
Air exchange	Type	Copper pipe aluminum fin exchanger			
	Fan type	Low noise fan	Low noise fan	Low noise fan	Low noise fan
Water exchange	Type	Pipe exchange	Pipe exchange	Pipe exchange	Plate exchange
	Water flow (m³/h)	1.8	2.5	3.0	4.4
	Water pressure drop (kpa)	<50	<50	<50	<50
	pipe (in)	1 "	1.2 "	1.5 "	1.5 "
Water pipe connection	Thread	Thread	Thread	Thread	Thread
Protection	High/low Voltage, over heating, lack of voltage/phase, overload, phase, prevent frostbite, over current, compressor over heat, defrost				
Dimension	mm	885x760x705	885x760x860	885x760x985	1106x905x940
Weight	Kg	104	110	115	220
					685

Terminal water unit-Duct

- Super thin design, concealed installation.
- Multi vane choice, live in harmony with the decoration.
- Low noise turbo fan, create quite room.



	FP-34WA	FP-51WA	FP-68WA	FP-85WA	FP-102WA	FP-136WA	FP-170WA	FP-204WA	FP-238WA
Power supply	220V/50Hz	220V/50Hz	220V/50Hz	220V/50Hz	220V/50Hz	220V/50Hz	220V/50Hz	220V/50Hz	220V/50Hz
(Cooling/Heating) Capacity (W)	1800/2700	2700/4050	3600/5400	4500/6750	5400/8100	7200/10800	9000/13500	10800/16200	12600/18900
Noise (dB(A))	37	39	41	43	45	46	48	50	54
Air circulation (m³/h)	340	510	680	850	1020	1360	1700	2040	2380
Control method	Remote or wall pad								
Input power (W)	65	70	75	80	110	120	150	190	200
Input current (A)	0.32	0.35	0.38	0.4	0.49	0.54	0.68	0.86	0.9
Water flow (m³/h)	0.52	0.52	0.62	0.86	0.98	1.22	1.58	1.92	2.1
Water pressure drop (kPa)	12	14	16	18	22	25	39.5	44	46
Water connection	In (in)	ZG 3/4 "	ZG 3/4 "	ZG 3/4 "	ZG 3/4 "	ZG 3/4 "	ZG 3/4 "	ZG 3/4 "	ZG 3/4 "
	Out (in)	ZG 3/4 "	ZG 3/4 "	ZG 3/4 "	ZG 3/4 "	ZG 3/4 "	ZG 3/4 "	ZG 3/4 "	ZG 3/4 "
Dimension	Net (mm)	770x480x240	870x480x240	960x480x240	1080x480x240	1180x480x240	1490x480x240	1650x480x240	1850x480x240
	Packing (mm)	780x500x260	900x500x260	970x500x260	1090x500x260	1220x500x260	1520x500x260	1680x500x260	1880x500x260
									1990x500x260



Terminal water unit-Cassette

- Compact size design, convenient installation.
- Strong airflow, suitable for high distance room.
- 4-way air output.

	FP-51KM	FP-68KM	FP-85KM	FP-102KM	FP-136KM	FP-170KM	FP-204KM	FP-238KM
Power supply	220V/50Hz	220V/50Hz	220V/50Hz	220V/50Hz	220V/50Hz	220V/50Hz	220V/50Hz	220V/50Hz
(Cooling/Heating) Capacity (W)	2700/4050	3600/5400	4500/6750	5400/8100	7200/10800	9000/13500	10800/16200	12600/18900
Noise (dB(A))	39	41	43	45	46	48	50	51
Air circulation (m³/h)	510	680	850	1020	1360	1700	2040	2380
Control method	Remote or wall pad							
Input power (W)	50	65	70	110	130	150	185	190
Input current (A)	0.23	0.28	0.32	0.49	0.55	0.68	0.85	0.91
Water flow (m³/h)	0.52	0.62	0.86	0.98	1.22	1.58	1.92	2.10
Water pressure drop (kPa)	14	16	18	22	25	39	44	44
Water connection	In (in)	ZG 3/4 "	ZG 3/4 "	ZG 3/4 "	ZG 3/4 "	ZG 3/4 "	ZG 3/4 "	ZG 3/4 "
	Out (in)	ZG 3/4 "	ZG 3/4 "	ZG 3/4 "	ZG 3/4 "	ZG 3/4 "	ZG 3/4 "	ZG 3/4 "
Main body dimension	Net (mm)	590x590x260	590x590x260	590x590x260	840x840x240	840x840x240	840x840x285	960x960x290
Packing (mm)		675x675x310	675x675x310	675x675x310	855x855x260	855x855x305	855x855x305	1025x1025x345
Panel dimension	Net (mm)	650x650x30	650x650x30	650x650x30	950x950x45	950x950x45	950x950x45	1140x1140x45
Packing (mm)		720x720x135	720x720x135	720x720x135	1005x1005x100	1005x1005x100	1005x1005x100	1195x1195x100



Terminal water unit-Ceiling/Floor

- According to these space, can be installed at ceiling or on the floor.
- long distance airflow.
- flexible installation, convenient maintenance.

	FP-51WLM	FP-68WLM	FP-85WLM	FP-102WLM	FP-136WLM	FP-170WLM	FP-204WLM	FP-238WLM
Power supply	220V/50Hz	220V/50Hz	220V/50Hz	220V/50Hz	220V/50Hz	220V/50Hz	220V/50Hz	220V/50Hz
(Cooling/Heating) Capacity (W)	2700/4050	3600/5400	4500/6750	5400/8100	7200/10800	9000/13500	10800/16200	12600/18900
Noise (dB(A))	39	41	43	45	46	48	50	51
Air circulation (m³/h)	510	680	850	1020	1360	1700	2040	2380
Control method	Remote or wall pad							
Input power (W)	45	50	80	110	120	150	170	188
Input current (A)	0.19	0.23	0.36	0.49	0.54	0.68	0.82	0.90
Water flow (m³/h)	0.52	0.62	0.86	0.98	1.22	1.58	1.92	2.10
Water pressure drop (kPa)	14	16	18	22	25	39	44	44
Water connection	In (in)	ZG 3/4 "	ZG 3/4 "	ZG 3/4 "	ZG 3/4 "	ZG 3/4 "	ZG 3/4 "	ZG 3/4 "
	Out (in)	ZG 3/4 "	ZG 3/4 "	ZG 3/4 "	ZG 3/4 "	ZG 3/4 "	ZG 3/4 "	ZG 3/4 "
Dimension	Net (mm)	905x673x243	905x673x243	905x673x243	1288x673x243	1288x673x243	1672x673x243	1672x673x243
Packing (mm)		995x765x311	995x765x311	995x765x311	1375x765x311	1375x765x311	1760x715x311	1760x715x311

The Test conditions: Outdoor Temp: 35°C DB, 7°C entering water and 12°C leaving water temperature. Heating: Outdoor Temp: 7°C DB, 6°C WB, 45°C entering water and 40°C leaving water temperature.

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